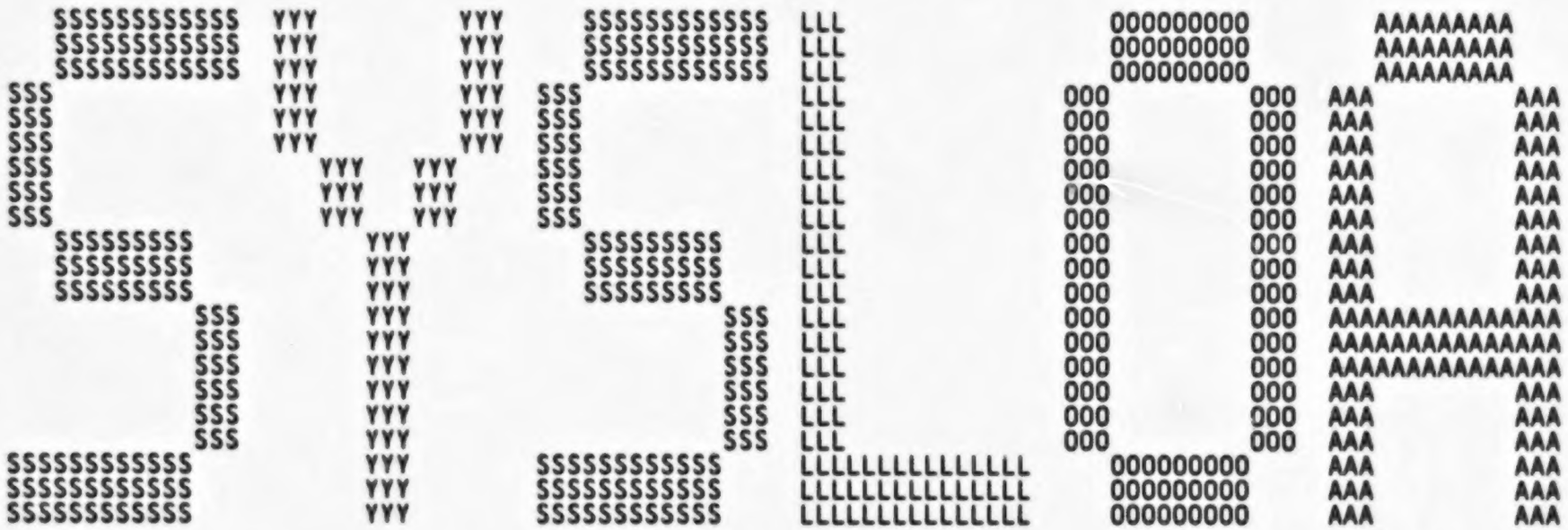
SSSSSSSSSSS YYY YYY SSSSSSSSSSS LLL OOOOOOOOO AAAAAAAAA
SSSSSSSSSSS YYY YYY SSSSSSSSSSS LLL OOOOOOOOO AAAAAAAAA
SSSSSSSSSSS YYY YYY SSSSSSSSSSS LLL OOOOOOOOO AAAAAAAAA
SSS YYY YYY SSS LLL OOO OOO AAA AAA
SSS YYY YYY SSS LLL OOO OOO AAA AAA
SSS YYY YYY SSS LLL OOO OOO AAA AAA
SSS YYY YYY SSS LLL OOO OOO AAA AAA
SSS YYY YYY SSS LLL OOO OOO AAA AAA
SSS YYY YYY SSS LLL OOO OOO AAA AAA
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SSSSSSSSS YYY SSSSSSSSS LLL OOO OOO AAA AAA
SSSSSSSSS YYY SSSSSSSSS LLL OOO OOO AAA AAA
SSS YYY SSS LLL OOO OOO AAAAAAAAAAAAAAA
SSS YYY SSS LLL OOO OOO AAAAAAAAAAAAAAA
SSS YYY SSS LLL OOO OOO AAAAAAAAAAAAAAA
SSS YYY SSS LLL OOO OOO AAA AAA
SSS YYY SSS LLL OOO OOO AAA AAA
SSSSSSSSSSS YYY SSSSSSSSSSS LLLLLLLLLLLLLLL OOOOOOOOO AAA AAA
SSSSSSSSSSS YYY SSSSSSSSSSS LLLLLLLLLLLLLLL OOOOOOOOO AAA AAA
SSSSSSSSSSS YYY SSSSSSSSSSS LLLLLLLLLLLLLLL OOOOOOOOO AAA AAA

FILEID**CSPCALLACT

```
  CCCCCCCC    SSSSSSSS  PPPPPPPP      CCCCCCCC    AAAAAA    LL          LL          AAAAAA     CCCCCCCC  TTTTTTTTTT
  CCCCCCCC    SSSSSSSS  PPPPPPPP      CCCCCCCC    AAAAAA    LL          LL          AAAAAA     CCCCCCCC  TTTTTTTTTT
CC            SS        PP      PP  CC          AA      AA  LL          LL        AA      AA  CC            TT
CC            SS        PP      PP  CC          AA      AA  LL          LL        AA      AA  CC            TT
CC            SS        PP      PP  CC          AA      AA  LL          LL        AA      AA  CC            TT
CC            SS        PP      PP  CC          AA      AA  LL          LL        AA      AA  CC            TT
CC              SSSSSS  PPPPPPPP    CC          AA      AA  LL          LL        AA      AA  CC            TT
CC              SSSSSS  PPPPPPPP    CC          AA      AA  LL          LL        AA      AA  CC            TT
CC                    SS PP        CC          AAAAAAAAAA  LL          LL        AAAAAAAAAA  CC            TT
CC                    SS PP        CC          AAAAAAAAAA  LL          LL        AAAAAAAAAA  CC            TT
CC                    SS PP        CC          AA      AA  LL          LL        AA      AA  CC            TT          ....
CC                    SS PP        CC          AA      AA  LL          LL        AA      AA  CC            TT          ....
  CCCCCCCC  SSSSSSSS    PP          CCCCCCCC    AA      AA  LLLLLLLLLL  LLLLLLLLLL  AA      AA    CCCCCCCC    TT          ....
  CCCCCCCC  SSSSSSSS    PP          CCCCCCCC    AA      AA  LLLLLLLLLL  LLLLLLLLLL  AA      AA    CCCCCCCC    TT          ....

LL              IIIIII      SSSSSSSS
LL              IIIIII      SSSSSSSS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II        SSSSSS
LL                II        SSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II              SS
LLLLLLLLLL      IIIIII    SSSSSSSS
LLLLLLLLLL      IIIIII    SSSSSSSS
```

Table of contents

```
0000     1          .TITLE  CSPCALLACT
0000     2          .IDENT  'V04-000'
0000     3
0000     4  ;****************************************************************************
0000     5  ;*                                                                          *
0000     6  ;*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                 *
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0000    22  ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
0000    23  ;*                                                                          *
0000    24  ;*                                                                          *
0000    25  ;****************************************************************************
0000    26  ;
0000    27  ;++
0000    28  ;
0000    29  ; FACILITY:     VMS Cluster Server
0000    30  ;
0000    31  ; ABSTRACT:     Routine to enable the Cluster Server Process to call an
0000    32  ;               action routine
0000    33  ;
0000    34  ; AUTHOR:       Paul R. Beck
0000    35  ;
0000    36  ; DATE:         22-MAR-1983     Last Edit:  22-JUN-1983 19:16:23
0000    37  ;
0000    38  ; REVISION HISTORY:
0000    39  ;
0000    40  ;       V03-003 ADE0001         Alan D. Eldridge        5-Feb 1983
0000    41  ;               Some general cleanup.
0000    42  ;
0000    43  ;       V03-001 PRB0204         Paul Beck               2-MAY-1983
0000    44  ;               Add test for zero client code
0000    45  ;
0000    46  ;--
0000    47          $CSDDEF
0000    48          $CSPDEF
0000    49
0000    50  ;
0000    51  ;  Own storage
0000    52  ;
0000    53
0000    54
00000000    55          .PSECT  CODE,   NOPIC,EXE,NOWRT
0000    56
```

```
                     0000     58 .SBTTL  CSP$$CALL_ACTION
                     0000     59 ;++
                     0000     60 ;
                     0000     61 ;  Call the action routine for the client indicated in the request buffer.
                     0000     62 ;
                     0000     63 ; CALLING SEQUENCE:     JSB     CSP$$CALL_ACTION
                     0000     64 ;
                     0000     65 ; INPUT PARAMETERS:     R2      = address of CSD structure
                     0000     66 ;
                     0000     67 ; OUTPUT PARAMETERS:    None
                     0000     68 ;
                     0000     69 ; COMPLETION CODES:     None
                     0000     70 ;
                     0000     71 ;--
                     0000     72 CSP$$CALL_ACTION::
      50   0C A2    3C  0000     73          MOVZWL  CSD$W_CODE(R2),R0       ; Get client code
             18    13  0004     74          BEQL    10$                     ; If EQL, no client supplied.
00000000'8F   50    D1  0006     75          CMPL    R0,#CSP$K_MAXACTION     ; Is it within range?
             0F    14  000D     76          BGTR    10$                     ; If GTRU, no
51 00000000'GF    9E  000F     77          MOVAB   G^CSP$GL_ACTIONVEC,R1   ; Get vector of action routine addresses
        51 6140    D0  0016     78          MOVL    (R1)[R0],R1             ; Get address of action routine
             02    13  001A     79          BEQL    10$                     ; If EQL, no such routine (unsupported)
                   001C     80          ;JSB    (R1)                    ; Call the action routine
                   001C     81          ;RSB                            ; Return to caller
             61    17  001C     82          JMP     (R1)                    ; Call the action routine and return.
                   001E     83 ;
                   001E     84 ; Handle error case: no such action routine
                   001E     85 ;
50 00000000'8F    D0  001E     86 10$:     MOVL    #SS$_BADPARAM,R0        ; Return error code
                05  0025     87          RSB                             ; ... to caller
                   0026     88
                   0026     89
                   0026     90 .END
```

```
CSD$W_CODE                      = 0000000C
CSP$$CALL_ACTION                  00000000 RG    02
CSP$GL_ACTIONVEC                  ********   X   02
CSP$K_MAXACTION                   ********   X   02
SS$_BADPARAM                      ********   X   02
```

Psect synopsis

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
ABS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
CODE	00000026 (38.)	02 (2.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.02	00:00:01.53
Command processing	108	00:00:00.43	00:00:03.16
Pass 1	141	00:00:01.06	00:00:05.97
Symbol table sort	0	00:00:00.06	00:00:00.41
Pass 2	37	00:00:00.23	00:00:01.98
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	1	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	320	00:00:01.83	00:00:13.08

```
The working set limit was 1050 pages.
6102 bytes (12 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 102 non-local and 1 local symbols.
90 source lines were read in Pass 1, producing 13 object records in Pass 2.
9 pages of virtual memory were used to define 8 macros.
```

Macro library statistics

Macro library name	Macros defined
_255DUA28:[SYSLOA.OBJ]CLUSTER.MLB;1	2
_255DUA28:[SYS.OBJ]LIB.MLB;1	0
_255DUA28:[SYSLIB]STARLET.MLB;2	3
TOTALS (all libraries)	5

```
161 GETS were required to define 5 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:CSPCALLACT/OBJ=OBJ$:CSPCALLACT MSRC$:CSPCALLACT/UPDATE=(ENH$:CSPCALLACT)+EXECML$/LIB+LIB$:CLUSTER/LIB
```

CSPCALL
LIS

CSPCJFMAS
LIS

CSP
LIS

CSPBRKTHR
LIS

CONUTIL
LIS

CSPCALLACT
LIS

CONSUBS
LIS